

ABSTRACT OF THE DISCLOSURE

A multi-functional filter assembly (100) for a disk drive is disclosed. The filter assembly (100) includes a breather filter section (104) and a recirculation filter section (112) that are contained within a common packaging (120). A hinge (138) is incorporated in the packaging (120) to allow the recirculation filter section (112) to be moved relative to the breather filter section (104) during installation of the filter assembly (100) in a disk drive. A low permeability section (122b) of the packaging (120) is disposed on the "environment" side of a filtering media (108) for the breather filter section (104) to control access to the filtering media (108) from the environment. A high permeability section (122a) of the packaging (120) is disposed on the "drive side" of this filtering media (108) for the breather filter section (104) to control access to the filtering media (108) from within the interior of the drive.